

**COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS**

August 9, 2010

ADDENDUM No. 1

**NOTICE TO CONTRACTORS,
PROPOSAL AND CONTRACT**

FOR

**FORESTHILL ROAD BRIDGE
SEISMIC RETROFIT AND PAINT PROJECT**

CONTRACT NO. 1074

FEDERAL AID PROJECT Nos. BRLSZD-5919 (047), STPLP-5919(021)



BID OPENING – SEPTEMBER 08, 2010 AT 3:30 P.M.

FOR USE IN CONNECTION WITH STANDARD SPECIFICATIONS DATED MAY 2006, STANDARD PLANS DATED MAY 2006, AND LABOR SURCHARGE AND EQUIPMENT RATES OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION AND THE PLACER COUNTY GENERAL SPECIFICATIONS DATED OCTOBER 1996 INsofar AS THE SAME MAY APPLY AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

ADDENDUM NO. 1

August 4, 2010

**PROJECT: FORESTHILL ROAD BRIDGE SEISMIC RETROFIT
AND PAINT PROJECT**

CONTRACT NO: 1074

BID OPENING: WEDNESDAY, SEPTEMBER 8, 2010 AT 3:30 P.M.

PLANS:

1. To reflect additional catwalk work, plan sheets 343(B298), 347(B302), 363(B318), 364(B319), 365(B320), and 366(B321) have been revised and are replaced with the attached plan sheets, and new plan sheets 365A(B320A), 365B(B320B) and 367A(B322A) are added to the contract plans.
2. To clarify construction staging, plan sheets 58(B13), 259(B214), and 299(B254) have been revised and are replaced with the attached plan sheets.
3. To modify the height of the pedestrian railing, plan sheet 340(B295) has been revised and is replaced with the attached plan sheet.

SPECIAL PROVISIONS:

1. Section 10-1.15 MAINTAINING TRAFFIC, replace the fourth paragraph with the following:

The Contractor shall be limited to 6 full closures. A full closure shall be considered any one 24- hour period when detouring both the Eastbound and Westbound lanes of traffic from the bridge occurs. Within each 24 hour full closure, the lanes shall not be detoured during commute hours, as shown in Chart No. 1 below.

SPECIAL PROVISIONS:

2. Section 10-1.15 MAINTAINING TRAFFIC , the “Lane Closure Restriction for Designated Legal Holidays and Special Days” Chart is amended as follows:

- “xx” was added to the preceding Friday and following Sunday of a Special Day falling on a Saturday.
- “xx” was added to the preceding Friday and Saturday of a Special Day falling on a Sunday.

Replace the “Lane Closure Restriction for Designated Legal Holidays and Special Days” Chart with:

Lane Closure Restriction for Designated Legal Holidays and Special Days										
Thu	Fri	Sat	Sun	Mon	Tues	Wed	Thu	Fri	Sat	Sun
x	H xx	xx	xx							
	SD xx									
x	xx	H xx	xx							
	xx	SD xx	xx							
	x	xx	H xx	xx						
	xx	xx	SD xx							
	x	xx	xx	H xx	xxx					
	x	xx	xx	SD xx	xxx					
				x	H xx					
				x	SD xx					
					x	H xx				
						SD xx				
						x	H xx	xx	xx	xx
							SD xx			
Legends:										
	Refer to lane closure charts									
x	The full width of the traveled way in both directions shall be open for use by public traffic after 1500 Hrs.									
xx	The full width of the traveled way in both directions shall be open for use by public traffic.									
xxx	The full width of the traveled way in both directions shall be open for use by public traffic until 1500 Hrs.									
H	Designated Legal Holiday									
SD	Special Day									

SPECIAL PROVISIONS:

3. Section 10-1.58 SURFACE PREPARATION AND PAINTING OF STEEL AND GALVANIZED STEEL, under “MATERIALS” and “SHOP COATING MATERIALS”, replace the second paragraph with:

Abrasive blasted steel shall be primed with an inorganic zinc primer in one application.

Acceptable coatings include:

Sherwin Williams Zinc Clad II HS

Carboline Carbozinc 11 VOC

International Interzinc 22 Inorganic Zinc Rich Silicate

PPG Dimetcote 9H

And replace Table 1 “Shop and Field Coating System DFT’s” with:

Table 1
Shop and Field Coating System DFT’s

System Description	Generic Coating Type	Approved Coatings	Dry Film Thickness (mils)
Shop Primer	Inorganic Zinc	Sherwin Williams Zinc Clad II HS Carboline Carbozinc 11 VOC International Interzinc 22 Inorganic Zinc Rich Silicate PPG Dimetcote 9H	2 to 4
Field System for Steel	Organic Zinc Primer ¹	Sherwin Williams Zinc Clad III HS Carboline Carbozinc 859 VOC International Interzinc 52 PPG Dimetcote 68HS	3 to 5
	Epoxy Intermediate Coat	Sherwin Williams Macropoxy 646 Fast Cure Carboline Carboguard 890 VOC International Intergard 475 PPG Amerlock 2/400	5 to 7
	Urethane Finish Coat	Sherwin Williams High Solids Polyurethane Carboline Carbothane 134 VOC International Interthane 990 UHS PPG Amershield VOC	3 to 5
The total dry film thickness of the coating system shall be not less than 11 mils nor more than 17 mils.			
Field Touch-up for Galvanized Steel	Organic Zinc Primer	Sherwin Williams Zinc Clad III HS Carboline Carbozinc 859 VOC International Interzinc 52 PPG Dimetcote 68HS	3 to 5

¹ Used as spot primer for shop primed new steel and as a general primer on abrasive blasted existing steel

CLARIFICATIONS RESULTING FROM RFI'S:

1. *May a Class A License and a AISC Certified Erector's License together could be substituted for the Class 51 License? Please advise.*

The specifications state:

"The Contractor shall possess a valid California Class A contractor's license, or a combination of the following classes: C-8 Concrete Contractor, C-12 Earthwork and Paving Contractor, C-21 Building Moving and Demolition Contractor, C-31 Construction Zone Traffic Control Contractor, C-32 Parking and Highway Improvement Contractor, C-33 Painting and Decorating Contractor, C-50 Reinforcing Steel Contractor, C-51 Structural Steel Contractor, C-60 Welding Contractor, and all other classes required by the categories and types of work included in this contract at the time of the bid award."

Thus if the prime contractor has a Class A license, then the "C" licenses are not required.

The specifications also state:

Each subcontractor must have an active and valid State contractor's license with a classification appropriate for the work to be performed (Bus & Prof Code, § 7000 et seq.).

Meaning that any work not being performed by the prime contractor must be performed under a subcontractor with either the Class A or the appropriate Class C license.

The following website lists contractor license requirements in California:

<http://www.cslb.ca.gov/Resources/GuidesAndPamphlets/DescriptionOfClassifications.pdf>

2. *Could we get further clarification on drawing sheet 259 & 299 of 394, note 3 which mentions "A maximum of two horizontal bracings may be retrofitted at one time, as shown." Does this apply for the whole length of the bridge or could we theoretically perform up to 12 at one time (4 per span- 2 upper horizontal bracings, and 2 lower horizontal bracings)?*

Two horizontal upper bracing and two horizontal lower bracing at **each span** may be removed at one time. There are 3 spans on this bridge.

3. *Please refer to sheet 174 of the Drawings. What item does the coring, grouting, and HS steel bar required for item 46 "Modify Pier Bearing" get paid under?*

The coring showing on sheet 174 is paid for under Item 53 Core Concrete (3").

The HS Steel bar and grouting of the HS Steel bars are paid for under Item 62 High Strength Steel Bar. And the Anchor Plate for the HS Steel bars are paid for under Item 82 Miscellaneous Metal (Bridge).

4. *Please refer to sheet 69 and 78 of the Drawings. Do the BRB connections get paid under item 68 "Buckling Restrained Brace"?*

The BRB Connections get paid for under Item 72 Furnish Structural Steel (Bridge) and Item 73 Erect Structural Steel (Bridge).

5. *Please refer to sheet 74 of the Drawings. What item does the 4" Cored holes get paid under?*

4" Cored Holes on Sheet 74 are paid for under Item 45 Pier Anchors.

6. *Who will be responsible for Materials Testing and Special Inspection services for this project? Will the County provide these services or will the general contractor need to provide it as part of their QC program?*

The County has contracted with The Hanna Group to provide Construction Management services for the Foresthill project. Those services included materials testing and special inspection services. The Contractor is required to provide his own **Quality Control** services and the County is providing **Quality Assurance** services.

7. *Do you know what the winds are like on the bridge and are they sustained?*

We do not have wind data at the bridge site.

8. *Could we get further clarification on specification section 10-1.53 Special Locations paragraph 4 (p. 228) statement, "Additional temporary structures shall not encroach closer than 8 feet horizontally from the edge or 15 feet vertically above any traffic lane or shoulder that is open to traffic." What is the purpose for the 8 feet restriction?*

Purpose is to protect public from structural steel removal and erection activities that are in close proximity to traffic lanes

9. *Does it apply to cranes working within the Alternative 2 Stage 2 deck construction area between temporary k-rail?*

Yes, unless there is a lane closure

10. *Are there cases where this restriction could be reduced if certain measures are taken or can this restriction be reduced to temporary structures can encroach no closer than the outside of open traffic lane temporary or permanent barriers?*

There may be measures not yet considered that provide sufficient safety for the adjacent lanes to insure that lifted loads do not come too close to the traffic lane.

11. *Sheet 334 shows 104 new expansion bearings at the new stringer to floor beam connections which matches the quantity for bid item 69. However, there are an additional 20 of the same bearings going from stringer at the deck expansion joints (detail 2, sheet 331). Should bid item 69 be 124 EA, or are these additional 20 bearings incidental to the structural steel bid items 72 and 73?*

The 20 bearings indicated in Detail 2, sheet 331 are not considered incidental to the structural steel bid items. Rather, they are quantified as new expansion bearings and already accounted for in bid item 69. The current quantity of 104 (ea) for bid item 69 is accurate and should not be changed. This total includes 84 stringer-to-floor beam bearings and 20 stringer-to-stringer bearings. Both connection categories are indicated on sheets 335 and 336 using the symbol for 'New Expansion Bearing'. The stringer-to-stringer bearings appear near floor beams 3,6,9,12 and 18 along lines annotated as centerline of bearing. These locations have been highlighted in the attached pdf. The remaining locations represent stringer-to-floor beam bearings.

12. *Will all pre-bid meeting questions and answers be shared?*

Yes, the County will share all pre-bid meeting questions and answers in addendums.

13. *Do Contractors only bid on one of the two staging alternatives provided?*

The Contractor is to bid only one of the alternates presented and that the total bid amount will be the base bid (Items 1 thru 93) plus the alternate chosen by the contractor (either items 94 thru 101 OR items 102 thru 109 - but not both)

14. *Is the “mass concrete” at the BRB anchorages in the abutments?*

Yes.

15. *How will the Contractor access the abutments to pour concrete?*

A temporary access opening in the wall of the abutment is shown on the plans. Other staging is up to Contractor.

16. *Will the County have a separate pre-qualification process?*

No.

17. *The specifications call for inorganic primed surfaces steel surfaces to be matched with organic primed surfaces in bolted connections. Are these “composite” connections still required to conform to Class B surface conditions for slip-critical connections?*

Yes. The Contractor must provide documentation that that the primer used in faying surfaces is compliant with Class B certifications of Appendix A of the “Specification for Structural Joints Using ASTM A325 or A490 Bolts” of the Research Council on Structural Connections (RCSC Specification).

18. *In lieu of requiring a long-term bond for the paint systems, the County may want to consider adding bid items to cover each year of paint warranty/maintenance/repairs.*

If Contractors could provide examples of projects where that concept has been successfully implemented, then the County would take the concept into consideration.

19. *The specifications are specific as to handling and disposing of existing paint systems. Please confirm, however, that the manifests of hazardous material will show the Owner as “Generator” of said wastes. Section 5-1.10 indicates that the Owner will take care of unknown wastes as will and it is assumed the Owner is Generator also.*

The Owner is the Generator of known and unknown wastes.

20. *Will working days be given for weather (rain)?*

Please refer to the standard specifications 8-1.05 “Temporary Suspension of Work” “The Engineer shall have the authority to suspend the work wholly or in part, for any time period as the Engineer deems necessary, due to unsuitable weather, or to such conditions considered unfavorable for the suitable prosecution of the work...”

Unanswered RFIs will be addressed in a future addendum.